



Contracting Vehicle Barriers to Criticality Safety Engineer Involvement

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Authorization Basis Team Lead

Plutonium Finishing Plant

Method of Performance

- ◆ M&O Contract
 - Resources unified under one contractor
- ◆ M&I Contract
 - Resources split between multiple contractors

M&I Contract

- ◆ M&I contract is an outgrowth of
 - Projectization
 - Requirements Management
 - Outsourcing
- ◆ Result
 - Safety is purchased on a task basis

Barriers to Involvement

◆ Contract Barriers

- Burden shifts to buyer
 - QA
 - Training
 - Qualification
 - Code Validation
 - Facility Access
 - Clearance
- Difficult to contract ownership

◆ Potential Solutions

- Sitewide contract under FH provides stability
- SOW require facility familiarization, jobwalk, hazard analysis

Barriers to Involvement

- ◆ Requirements Management
 - Requirements not explicit in DOE Orders not funded
- ◆ Potential Solution
 - Local DOE/contractor define best management practices for site
 - Identify best management practices in facility specific program

Barriers to Involvement

◆ Projectization

- Focus on tasks and deliverable
- Presents opportunity to co-locate engineers

◆ Potential Solutions

- Identify tasks and find in multi-year work plans
- Co-locate engineers when possible

PFP Engineer Involvement

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- ◆ No criticality engineers on staff
- ◆ No training or facility familiarization
- ◆ Not familiar with facility

Now

- ◆ 2 FTEs criticality engineers
- ◆ Formal training and rotation
- ◆ Rebuilding facility familiarization